Rec'd PCT/PTO 02 FEB 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 19 February 2004 (19.02.2004)

(10) International Publication Number WO 2004/015059 A3

(51) International Patent Classification7: C12P 19/34, 21/02

C12N 9/12.

(21) International Application Number:

PCT/IB2003/003936

(22) International Filing Date:

25 July 2003 (25.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02291959.1

2 August 2002 (02.08.2002)

(71) Applicant (for all designated States except US): PRO-TEUS [FR/FR]; Parc Scientifique Georges Besse, 70, allée Graham Bell, F-30000 Nîmes (FR).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): RYABOVA, Lyubov [RU/FR]; 2 rue Théodore Aubanel, Résidence Les Allées Jean Jaurès, Bât. B, Appt 206, F-30900 Nîmes (FR). MAS-SON, Jean-Michel [FR/FR]; 43, chemin Flou de Rious, F-31400 Toulouse (FR).
- (74) Agents: BREESE, Pierre_ et al.; Breesé-Majerowicz, 3 avenue de l'Opéra, F-75001 Paris (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

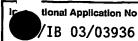
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 22 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND COMPOSITIONS FOR IN VITRO SYNTHESIS OF BIOLOGICAL MACROMOLECULES IN A CELL-FREE SYSTEM ENRICHED WITH ATP-SULFURYLASE

(57) Abstract: The present invention provides methods and composition for enhancing in vitro synthesis of biological macromolecules in a cell-free system where ATP is required as a primary energy source, wherein said cell-free system is enriched with ATP-sulfurylase The invention relates also to as cell-free systems and cell-free extracts enriched with ATP-sulfurylase for enhancing in vitro synthesis of any biological macromolecules.





	INTERNATIONAL SEARCH REPORT	Itonal Application No /IB 03/03936	
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C12N9/12 C12P19/34 C12P21/02		
According to	International Patent Classification (IPC) or to both national classification and IPC		
	SEARCHED		
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EPO-In	ata base consulted during the international search (name of data base and, where practical ternal, BIOSIS, WPI Data, PAJ, CHEM ABS Data	II, search terms used)	
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